

K3
94. (Amended) An isolated antibody specifically immunoreactive with a 16 kD protein that co-precipitates with CDK4 from cell lysates of SV40-transformed WI38 cells in the presence of an anti-CDK4 antibody, conjugated to a detectable label, wherein the molecular weight of the 16 kD protein is identified by PAGE under denaturing conditions.

95. (Amended) The antibody of claim 94, wherein the antibody specifically immunoreactive with the 16 kD protein is a monoclonal antibody.

98. (Amended) A kit for detecting a cell cycle regulatory (CCR) protein comprising (i) an isolated anti-CCR antibody specifically immunoreactive with a 16 kD protein that co-precipitates with CDK4 from cell lysates of SV40-transformed WI38 cells in the presence of an anti-CDK4 antibody, and (ii) a means for detecting the anti-CCR antibody in immunocomplexes with a CCR protein, wherein the molecular weight of the 16 kD protein is identified by PAGE under denaturing conditions.

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99. (Reiterated) The kit of claim 98, wherein the means for detecting the anti-CCR antibody is a detectable label conjugated with the anti-CCR antibody.

100. (Reiterated) The kit of claim 98, wherein the means for detecting the anti-CCR antibody is a second antibody immunoreactive with the anti-CCR antibody.

101. (Reiterated) The kit of claim 98, wherein the anti-CCR antibody is a monoclonal antibody.

102. (Reiterated) The kit of claim 98, wherein the anti-CCR antibody is provided in a form suitable for detecting the cell cycle regulatory (CCR) protein in samples of cells.

K5
103. (Amended) An isolated antibody specifically reactive with a p16 protein comprising SEQ ID NO: 35.

104. (Amended) An isolated antibody specifically immunoreactive with a p16 protein comprising SEQ ID NO: 35.

105. (Reiterated) The antibody of claim 104, wherein the antibody is a monoclonal antibody.

106. (Amended) An isolated antibody specifically immunoreactive with a p16 protein comprising SEQ ID NO: 35, and wherein the antibody is conjugated to a detectable label.

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107. (Reiterated) The antibody of claim 106, wherein the antibody is a monoclonal antibody.

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108. (Amended) A kit for detecting a cell cycle regulatory (CCR) protein comprising (i) an isolated anti-CCR antibody specifically immunoreactive with a p16 protein comprising SEQ ID NO: 35, and (ii) a means for detecting the anti-CCR antibody in immunocomplexes with a cell cycle regulatory (CCR) protein.

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109. (Reiterated) The kit of claim 108, wherein the means for detecting the anti-CCR antibody is a detectable label conjugated with the anti-CCR antibody.

110. (Reiterated) The kit of claim 108, wherein the antibody is a monoclonal antibody.

K8
111. (Amended) The kit of claim 108, wherein the means for detecting the anti-CCR antibody is a second antibody immunoreactive with the anti-CCR antibody.

WE don't
112. (Reiterated) The kit of claim 108, wherein the antibody is provided in a form suitable for detecting the cell cycle regulatory (CCR) protein in samples of cells.

The amended claims presented above incorporate changes as indicated by the marked-up versions below.

91. (Amended) An isolated antibody preparation specifically reactive with a 16 kD protein that co-precipitates with CDK4 from cell lysates of SV40-transformed WI38 cells in the presence of an anti-CDK4 antibody, wherein the molecular weight of the 16 kD protein is identified by polyacrylamide gel electrophoresis (PAGE) under denaturing conditions.

92. (Amended) An isolated antibody, or fragment thereof, specifically immunoreactive with a 16 kD protein that co-precipitates with CDK4 from cell lysates of SV40-transformed WI38 cells in the presence of an anti-CDK4 antibody, wherein the molecular weight of the 16 kD protein is identified by PAGE under denaturing conditions.

94. (Amended) An isolated antibody, ~~or fragment thereof~~, specifically immunoreactive with a 16 kD protein that co-precipitates with CDK4 from cell lysates of SV40-transformed WI38 cells in the presence of an anti-CDK4 antibody, conjugated to a detectable label, wherein the molecular weight of the 16 kD protein is identified by PAGE under denaturing conditions.

95. (Amended) The antibody of claim 94, wherein the anti-p16 antibody specifically immunoreactive with the 16 kD protein is a monoclonal antibody.

98. (Amended) A kit for detecting a cell cycle regulatory (CCR) protein comprising (i) an isolated anti-CCR antibody, ~~or fragment thereof~~, specifically immunoreactive with a 16 kD protein that co-precipitates with CDK4 from cell lysates of SV40-transformed WI38 cells in the presence of an anti-CDK4 antibody, and (ii) a means for detecting the anti-CCR antibody in immunocomplexes with a CCR protein, wherein the molecular weight of the 16 kD protein is identified by PAGE under denaturing conditions.

103. (Amended) An isolated antibody preparation specifically reactive with a p16 protein comprising SEQ ID NO: 35.

104. (Amended) An isolated antibody, ~~or fragment thereof~~, specifically immunoreactive with a p16 protein comprising SEQ ID NO: 35.

106. (Amended) An isolated antibody, ~~or fragment thereof~~, specifically immunoreactive with a p16 protein comprising SEQ ID NO: 35, and wherein the antibody is conjugated to a detectable label.

108. (Amended) A kit for detecting a cell cycle regulatory (CCR) protein comprising (i) an isolated anti-CCR antibody, ~~or fragment thereof~~, specifically immunoreactive with a p16 protein comprising SEQ ID NO: 35, and (ii) a means for detecting the anti-CCR antibody in immunocomplexes with a cell cycle regulatory (CCR) protein.

111. (Amended) The kit of claim 108, wherein the means for detecting the anti-CCR antibody is a second antibody immunoreactive with the anti-CCR antibody.